



	CONTOURS
	CREEKS/RIVERS
	ROADS
	WASTE ROCK PILE LOCATION (APPROXIMATE)
	MINE PIT LOCATION (APPROXIMATE)
	FAULT
	THRUST FAULT
	APPROXIMATE OR INFERRED FAULT
	AXIS ANTICLINE
	POSTULATED ALLUVIAL FLOW PATH
	GROUNDWATER WELL MONITORING LOCATION INSTALLED IN 2007
	GROUNDWATER WELL MONITORING LOCATION
	WASTE ROCK DUMP SEEP
	SPRING STATION
	HEADWATER STREAM STATION
	POND SAMPLE LOCATION

MAW = AGRICULTURAL WELL	MPW = PRODUCTION WELL
MDS = DUMP SEEP	MSG = SPRING
MDW = DOMESTIC WELL	MSP = POND
MMP = MINE PIT	MST = SPRING FED STREAM LOCATION
MMW = MONITORING WELL	MWD = WASTE ROCK DUMP

Qb	BASALT
Qba	BASALTIC ASH (TUFF)
Qal	ALLUVIUM
Qt	TRAVERTINE
Qw	COLLUVIUM AND OLDER ALLUVIUM
Tl	DEADMAN LIMESTONE
Th	HIGHAM GRIT
Tt	THAYNES FORMATION
Tty	TIMOTHY SANDSTONE (THAYNES MEMBER)
Td	DINWOODY FORMATION (WOODSIDE SHALE)
Pp	PHOSPHORIA FORMATION
Ppm	MEADE PEAK MEMBER
Pfw	WELLS FORMATION
Mb	BRAZER LIMESTONE
Mm	MADISON LIMESTONE

NOTES:

1. GEOLOGIC MAPPING ADAPTED FROM MANSFIELD (1927), HOVLAND (1981) AND UNPUBLISHED DATA.
2. PRE-MINE TOPOGRAPHY IS FROM USGS DIGITAL ELEVATION MODELS (DEM)-24K FOR HENRY, ID; WAYAN WEST, ID; AND LOWER VALLEY, ID.
3. PRE-MINE TOPOGRAPHY PROJECTION IS A MODIFIED IDAHO EAST STATE PLANE COORDINATE SYSTEM, NAD 83.
4. MODIFIED COORDINATES ARE SCALED FROM ORIGINAL IDAHO EAST STATE PLANE COORDINATES BY 1.00033658. MODIFIED COORDINATE SYSTEM PROVIDED BY R.C. WERNER, SURVEYING MAY, 2005.

2	ISSUED FOR REVISED FINAL	07/08	C.Foulk	C.Fowler	C.Foulk		
REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY		

***P4 PRODUCTION
SOUTHEAST IDAHO MINE-SPECIFIC
SELENIUM PROGRAM***

PROJECT: **2007 HYDROGEOLOGIC DATA REPORT**

DRAWING TITLE: ***GEOLOGIC MAP
BALLARD MINE
WITH SECTION LOCATIONS***



Sheet <u>1</u> Of <u>1</u> Sheets	
SCALE: <i>As Shown</i>	DRAWING No 11